

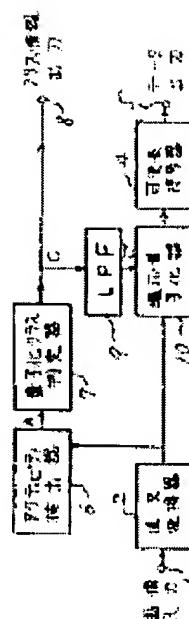
## PICTURE CODER AND DECODER

**Patent number:** JP4321391  
**Publication date:** 1992-11-11  
**Inventor:** SUGIYAMA KENJI  
**Applicant:** VICTOR CO OF JAPAN LTD  
**Classification:**  
 - international: H04N7/13; G06F15/66; H03M7/30; H04N1/41;  
 H04N11/04  
 - european:  
**Application number:** JP19900262389 19900929  
**Priority number(s):**

### Abstract of JP4321391

**PURPOSE:** To improve the deterioration in the picture quality at an edge by discriminating a quantization class not in the unit of each block but over a wider range so that the quantization is not made rough in the edge part thereby implementing quantization in matching with the visual sense characteristic without increase in a mosquito noise.

**CONSTITUTION:** Class information C being an output signal of a quantization class discriminator mainly is inputted to an adaptive quantizer 10 via an LPF (low pass filter) 9. The class C is smoothed by the LPF 9. The processing results from replacing the processing to a picture element by a conventional LPF with a class for each block. The class C' subject to filtering therein is converted into a multi-value and it is fed to the adaptive quantizer 10. The adaptive quantizer 10 quantizes a coefficient by using a value resulting from multiplying a control coefficient with a quantization step depending on the class C'.




---

Data supplied from the **esp@cenet** database - Worldwide

**BEST AVAILABLE COPY**